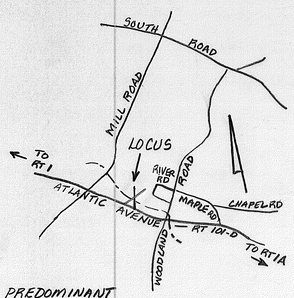
LOCUS MAP

NOT TO SCALE



PREDOMINANT SOIL CLASS: BOXFORD, SCITICO

(SOURCE: ~~USDA SCS SOIL SURVEY~~ SOIL SCIENTIST)

BENCH MARKS: USGS DATUM

#1 SET PK ROOT 36" HICKORY EL 15.80

#2 SET NAIL 40" HICKORY EL 18.47

#3 SET HUB NEAR COR WLL EL 19.96

DESIGN INTENT: BED BOTTOM TO BE PLACED NO LOWER THAN 33" ABOVE EXISTING GRADE, UPSLOPE SIDE (EXIS GRADE = 18.7).

SUITABLE REPLACEMENT AREA:

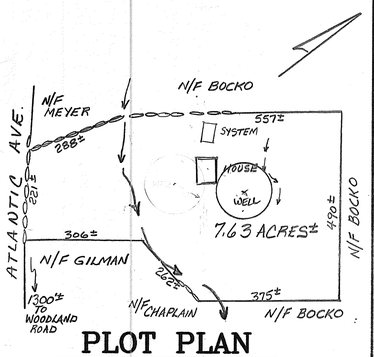
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 50.0 EXISTING SPOT ELEVATION
- (50.0) PROPOSED SPOT ELEVATION

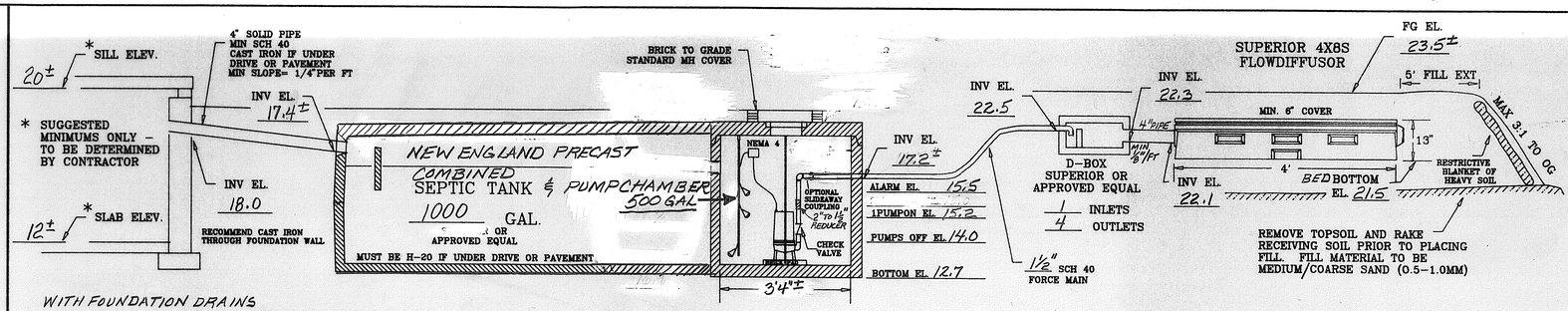
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: PLAN OF LAND FOR H & S REALTY, NORTH HAMPTON, N.H. REVISED TO 11/6/87 BY SEACOAST ENGINEERING
2. NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: N/A EXIS LOT OVER 5 ACRES
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
5. LIMIT OF POORLY DRAINED SOILS DELINEATED BY MARC JACOBS, SOIL SCIENTIST
6. THIS PLAN SUPERCEDES PREVIOUSLY APPROVED PROPOSAL FOR HOUSE AND SYSTEM ON SOUTH SIDE OF LITTLE RIVER



PLOT PLAN

1"=APPROX 200'


20±
SILL ELEV.
4" SOLID PIPE MIN SCH 40 CAST IRON IF UNDER DRIVE OR PAVEMENT MIN SLOPE= 1/4" PER FT
INV EL. 17.4±
BRICK TO GRADE STANDARD MH COVER
* SUGGESTED MINIMUMS ONLY - TO BE DETERMINED BY CONTRACTOR
INV EL. 18.0
RECOMMEND CAST IRON THROUGH FOUNDATION WALL
12±
* SLAB ELEV.
NEW ENGLAND PRECAST COMBINED SEPTIC TANK & PUMPCHAMBER
1000 GAL. OR APPROVED EQUAL
500 GAL
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
NEMA 4
OPTIONAL SLIDEAWAY COUPLING 2" TO 1½" REDUCER
CHECK VALVE
INV EL. 17.2±
ALARM EL. 15.5
PUMP ON EL. 15.2
PUMPS OFF EL. 14.0
BOTTOM EL. 12.7
3'4"±
WITH FOUNDATION DRAINS
USE NON-SHRINK MORTAR SEALANT OR APPROVED EQUAL
INV EL. 22.5
1½" SCH 40 FORCE MAIN
INV EL. 22.3
4" PIPE
MIN ⅛" PER FT
D-BOX SUPERIOR OR APPROVED EQUAL
1 INLETS
4 OUTLETS
SUPERIOR 4X8S FLOWDIFFUSOR
FG EL. 23.5±
5' FILL EXT
MIN. 6' COVER
13"
4'
BED BOTTOM EL. 21.5
INV EL. 22.1
MAX 3:1 TO OG
RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM/COARSE SAND (0.5-1.0MM)
VENTS HIGH: 10' ABOVE GRADE LOW: 3' ABOVE GRADE LOCATIONS SHOWN ON PLAN VIEW
LOAM AND SEED FG
6" MIN. COVER
MIN 6" CLEAN SAND UNDER CHAMBERS WHEN IN GROUND
8'

CROSS SECTION DISPOSAL SYSTEM - NOT TO SCALE

PUMP SPECIFICATIONS

USE 1 PEABODY-BARNES SE411 EFFLUENT PUMP (4/10HP, 115VOLT,2" DISCHARGE) MERCURY FLOAT CONTROLS W/ NEMA 4 JUNCTION BOX, ALARM TO BE HOUSED IN BUILDING.

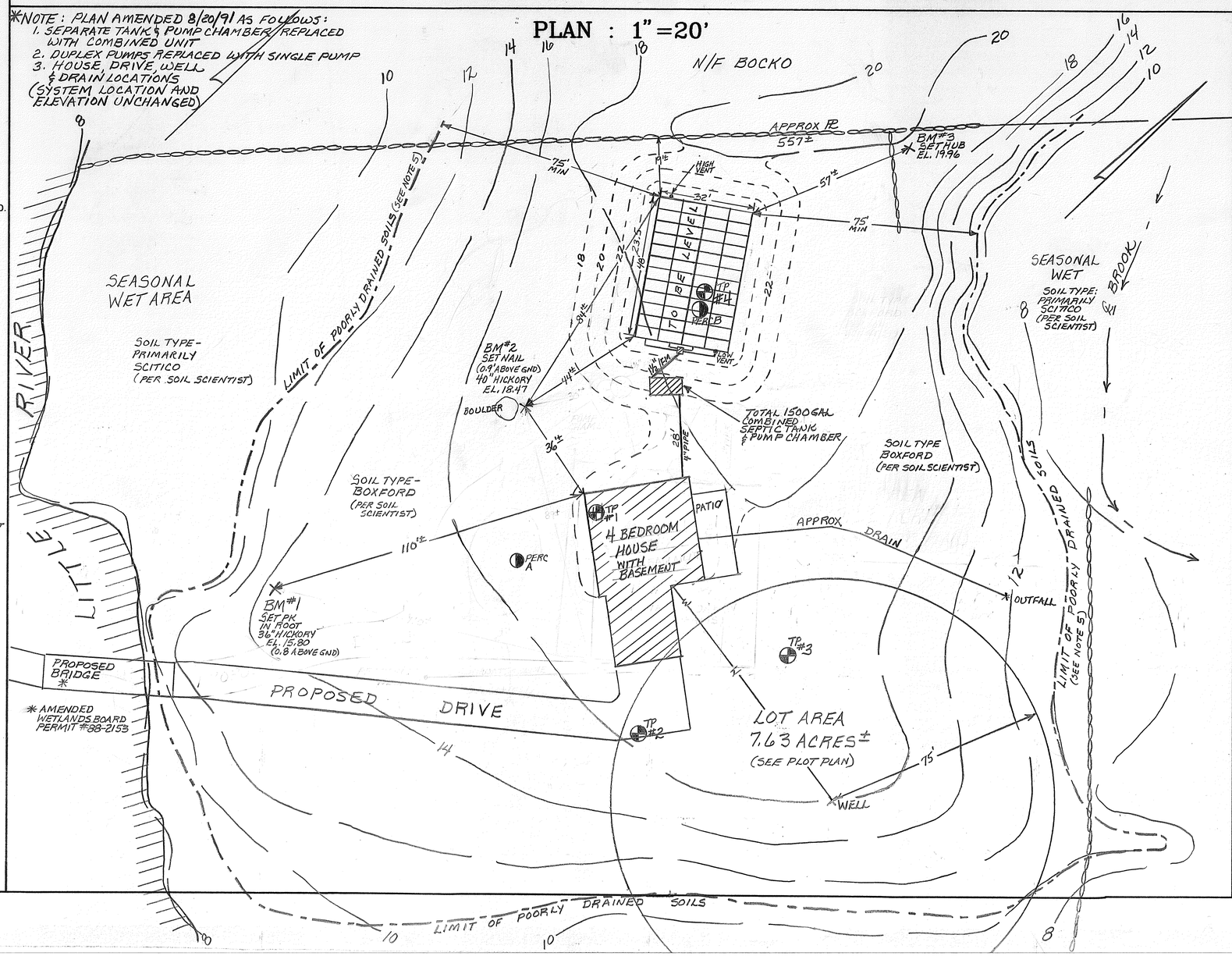
PUMP PERFORMANCE: 60± GPM FOR EST. 15' TDH

RUNNING TIME 2½ MIN. FOR 150 GAL PER CYCLE

CYCLES PER DAY 4 BASED ON 600 GPD LOADING

*NOTE: PLAN AMENDED 8/20/91 AS FOLLOWS:
1. SEPARATE TANK & PUMP CHAMBER REPLACED WITH COMBINED UNIT
2. DUPLEX PUMPS REPLACED WITH SINGLE PUMP
3. HOUSE, DRIVE, WELL & DRAIN LOCATIONS (SYSTEM LOCATION AND ELEVATION UNCHANGED)

PLAN : 1"=20'



* AMENDED WETLANDS BOARD PERMIT #98-2153

TEST PIT DATA

DATE: 6/4/90

TOWN INSPECTOR: J. MEDLOCK & CONSERVATION COMM. REP

PITS LOGGED BY MARC JACOBS, SOIL SCIENTIST

EL 18.3 #4

- DK BRN VERY FINE SANDY LOAM, WEAK FINE GRANULAR MOIST FRIABLE 7"
- LIGHT OLIVE BROWN SILT LOAM, WEAK MED. GRANULAR, MOIST FRIABLE 15"
- OLIVE SILT LOAM, ANGULAR BLOCKY, MOIST FIRM & RESTRICTIVE 24"
- OLIVE SILTY CLAY LOAM, MASSIVE, MOIST FIRM & RESTRICTIVE, POSSIBLE IMPERMEABLE STAINS 72" NO REFUSAL

ESHWT @ 15" - COMMON DISTINCT MOTTLES NO OBS H2O

EL 16.7 #1

- DK BRN SILT LOAM, WEAK FINE & GRANULAR MOIST FRIABLE 7"
- LIGHT OLIVE-BROWN SILT LOAM, WEAK MED GRANULAR, MOIST FRIABLE 15"
- OLIVE SILT LOAM MASSIVE ANGULAR BLOCKY, MOIST FIRM & RESTRICTIVE 24"+
- OLIVE SILTY CLAY LOAM MASSIVE FIRM & RESTRICTIVE POSSIBLE IMPERMEABLE 72" NO REFUSAL

ESHWT @ 15" - COMMON MEDIUM PROMINENT HIGH & LOW CHROMA MOTTLES NO OBS H2O

* EST. PERCS SLOWER THAN 45 MIN/IN

PIT #2 SAME SOILS ESHWT - 16" SILTY CLAY LOAM @ 22"

PIT #3 SAME SOILS ESHWT - 16" SILTY CLAY LOAM @ 24"

PERC TEST DATA

DATE: A - 6/4/90 B - 6/11/90

PERC RATE: BOTH 50 MIN/IN

DESIGN LOADING: 4 BEDROOMS

AREA REQUIRED: 2500 x 0.6 = 1500 SQ FT

AREA PROPOSED: 32 x 48 = 1536 SQ FT

EQUALS 48 CHAMBERS (4x8s) (MAY SUBSTITUTE 24 8x8 CHAMBERS)

AMENDED PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: ATLANTIC AVENUE NORTH HAMPTON, NH

OWNER: D & S REALTY P.O. BOX 220 HAMPTON FALLS, NH 03844

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT: STOCKTON SERVICES PO BOX 1306 HAMPTON, NH 03842

* AMENDED 8/20/91

DATE: 6/20/90 (SEE NOTE)

APPROVAL: #182121